

**METHOD AND APPARATUS FOR CELL AND
ELECTRICAL THERAPY OF LIVING TISSUE**

Abstract

5 A method for cell and electrical therapy of living tissue including administration of exogenous cells into a region of injured tissue and application of electrical energy. In one application the exogenous cells are conditioned *in vitro* before their administration into tissue. In one application the combined cell and electrical therapy is applied *in vivo* to damaged heart tissue. In such applications,

10 minimally invasive procedures are used to apply the cell therapy and the electrical therapy is provided via an implantable pulse generator. In one application an implantable pacemaker is used in the VDD or DDD mode with an atrioventricular delay kept relatively short when compared to the intrinsic atrioventricular delay.

"Express Mail" mailing label number: EV299684927US

Date of Deposit: November 25, 2003

This paper or fee is being deposited on the date indicated above with the United States Postal Service pursuant to 37 CFR 1.10, and is addressed to The Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.